

# ASOCRET-M30

Watertight multi-mortar up to 30 mm



Material number	Contents	Unit of quantity	Packaging	Colour
205539001	25	KG	Bag	light grey
205539003	6	KG	Bag	light grey

### Product features

- Standard plaster mortar (GP) in accordance with DIN EN 998-1
- Waterproof fillet mortar in accordance with DIN 18533
- High slump resistance
- Rapid setting
- Sulphate resistant
- Hydrophobic

### Advantages

- Layer thickness von 3 mm bis 30 mm in a single application step
- Can be quickly overcoated
- Shrinkage compensated
- Very smooth consistency
- Universally applicable as mortar or levelling compound
- watertight
- Tested according to the WTA worksheet 4-6 against water pressure acting from the rear



## ASOCRET-M30

### Areas of application

- As levelling mortar
- As water impermeable waterproofing plaster in accordance with DIN 18533
- As repair mortar
- Suitable as building skirt render
- As watertight barrier plaster
- For levelling pool tank walls, as well as modelling pool edges in swimming pools
- For the substrate preparation of structural waterproofing
- For producing water-repellent surfaces

### Technical Data

#### Material properties

Product components	1 component system
Base material	Pre-blended dry mortar
Consistency	Filler consistency
Grain size max	< 1 mm
Bulk density of fresh mortar	approx. 1.6 kg/dm <sup>3</sup>
Compressive strength (28 days)	approx. 20 N/mm <sup>2</sup>
Compressive strength (classification DIN EN 1504-3)	R1
Compressive strength (classification DIN EN 998-1)	CS IV
Flexural strength (28 days)	approx. 5 N/mm <sup>2</sup>
Tensile adhesion strength (28 days)	≥ 0.8 N/mm <sup>2</sup>
Water vapour permeability coefficient	≤ 0.5 kg/m <sup>2</sup> x h0,5
Capillary water absorption	Wc2
Water vapour diffusion coefficient μ	< 25
Water penetration	≤ 5 mm
Thermal conductivity λ (Lambda)	approx. 0.67 W/m * K
Classification of the reaction to fire in accordance with DIN EN 13501-1	A1

#### Mixing

Mixing time	approx. 3 minutes
Maturing time	approx. 5 minutes
Water addition	From 4.5 l to 5.25 l per 25 kg

#### Application

Substrate/application temperature	from 5 °C to 30 °C
Pot life	approx. 45 minutes
Method of application, max. layer thickness per application step	to 30 mm
Consumption (sealing cove)	approx. 3 kg/m
Layer thickness with watertight plaster coat	min. 10 mm
Consumption (surface levelling) per mm layer thickness	approx. 1.4 kg/m <sup>2</sup>
Second application step after waiting time	approx. 3 hours
Overcoat (min.)	after 3 hours

## ASOCRET-M30

### Application technology

#### Aids/tools

- Stirrer (approx. 500-700 rpm)
- Suitable mixing paddle
- Trowel
- Flat trowel
- Plasterer's darby
- Grid float
- Spray equipment

#### Manual processing

- Can be smoothed with a smoothing tool
- Can be trowelled off

### Substrate preparation

#### Requirement for substrate

1. Firm
2. Free of adhesion inhibiting substances
3. Grippy
4. Load-bearing

#### Preparing the details

1. Depressions > 5 mm and mortar pockets, plaster grooves in brickwork, open butt or bed joints, damaged areas, large pored substrates or uneven masonry work must be levelled in advance with ASOCRET-M30 (cement-based mortar).
2. Scrape out crumbly masonry joints approx. 2 cm deep and clean the surfaces mechanically.

#### Preparing the surface

1. When applying to very dense or smooth substrates, we recommend applying a bond coat of ASOCRET-KS/HB. Alternatively, a splatterdash coat of THERMOPAL-SP could be applied depending on the specific project.
2. Pre-moisten the dry substrate so that it is matt damp at the time of application.
3. Extremely absorbent and slightly sandy substrates must be primed with ASO-Unigrund-GE or ASO-Unigrund-K.

### Usage

#### Mixing

1. Add ASOCRET-M30 with From 4.5 l to 5.25 l per 25 kg clean water to a mixing bucket and mix with a stirrer until free from lumps.
2. The mixing time is ca. 3 minutes.
3. After a settling period of ca. 5 minutes, thoroughly homogenise the compound again.

#### Cementitious waterproofing trowels

1. Pre-screen the prepared substrate with ASOCRET-M30 in a consistency that is able to screen.
2. Alternatively, AQUAFIN®-1K can also be applied as a bond coat depending on the specific job type.
3. While still wet, install a sealing cove with an edge height of 4-6 cm made of ASOCRET-M30 and round it off.
4. The cementitious sealing cove can be overcoated after approx. 3 hours with the respective waterproofing system.

#### Surface levelling

1. ASOCRET-M30 is applied to the prepared substrate in advance with a scratch coat and then applied in the desired layer thickness.
2. ASOCRET-M30 can be applied in a single application step up to a bis 30 mm layer thickness on the surface.
3. Removal takes place using a suitable tool (float, trowel or plasterer's darby), depending on the application, within the pot life.
4. The surface can be rubbed down using a Rubber squeegee, felt or sponge board after a corresponding waiting time.
5. Alternatively, after approx. 60-80 minutes (depending on the substrate, ambient conditions and layer thickness), a grid float can be used to remove unevenness and create an open surface that ensures good bonding for subsequent coatings.

#### Repair of voids

1. The prepared voids must be pre-dampened with matt dampness at the chopped out edges and then backfilled with ASOCRET-M30 flush with the surface.
2. Deep voids or defects must first be filled with a scratch coat.
3. Finish the last levelling layer using a Rubber squeegee, felt or sponge board.

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## Storage conditions

### Storage

Cool, dry, protected from sunlight. Min. 12 months in the original canister. Promptly use opened container.

## Disposal

Product leftovers can be disposed of in accordance with disposal code AW 17 01 01.


## Notes

- Protect surfaces that are not to be treated from the effects of ASOCRET-M30!
- Protect ASOCRET-M30 from weathering influences such as rain, frost and strong solar radiation, wind, etc. until totally dry!
- Protect ASOCRET-M30 from drying out too quickly (e.g. due to high temperatures or wind, by taking suitable measures, e.g. spraying with water several times or covering).
- Do not add water or new mortar to existing ASOCRET-M30 mortar that has already set in order to make it workable again. (Risk of inadequate strength development)
- High temperatures shorten and low temperatures extend the drying time.
- Before using ASOCRET-M30, the existing test certificates, the current relevant guidelines and the WTA data sheet "Subsequent sealing of components in contact with the ground" must be observed.

GISCODE: ZP1

## Annotations

Conformity / Declaration / Verification

	
<b>SCHOMBURG GmbH &amp; Co. KG</b> Aquafinstraße 2-8 D-32760 Detmold (Germany) 15 2 05539	
DIN EN 998-1: 2010-12 <b>ASOCRET-M30</b> Standard plaster mortar (GP)	
Compressive strength	CS IV
Capillary water absorption, category	W2
Coefficient of water vapour permeability(μ)	≤ 25
Tensile adhesion strength 28d	≥ 0.5 N/mm <sup>2</sup>
Breaking pattern	A
Heat conductivity, λ10, dry, Tabulated mean value (P = 50%), DIN EN 1745	< 0,67
Reaction to fire durability (Frost resistance)	A1 Resistant with application in accordance with TM

	
<b>SCHOMBURG GmbH &amp; Co. KG</b> Aquafinstraße 2-8 D-32760 Detmold (Germany) 16 2 05539	
DIN EN 1504-3 <b>ASOCRET-M30</b> Concrete substitute product for non-static relevant restoration EN 1504-3: ZA, 1a	
Compressive strength	R1
Chloride ion content	≤ 0.05 %
Adhesion	≥ 0.8 MPa
Capillary water absorption	≤ 0.5 kg m <sup>2</sup> /h <sup>0.5</sup>
Impaired shrinkage / swelling	NPD
Resistance to carbonation	NPD
Reaction to fire	class A1

NPD = "No Performance Determined"

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